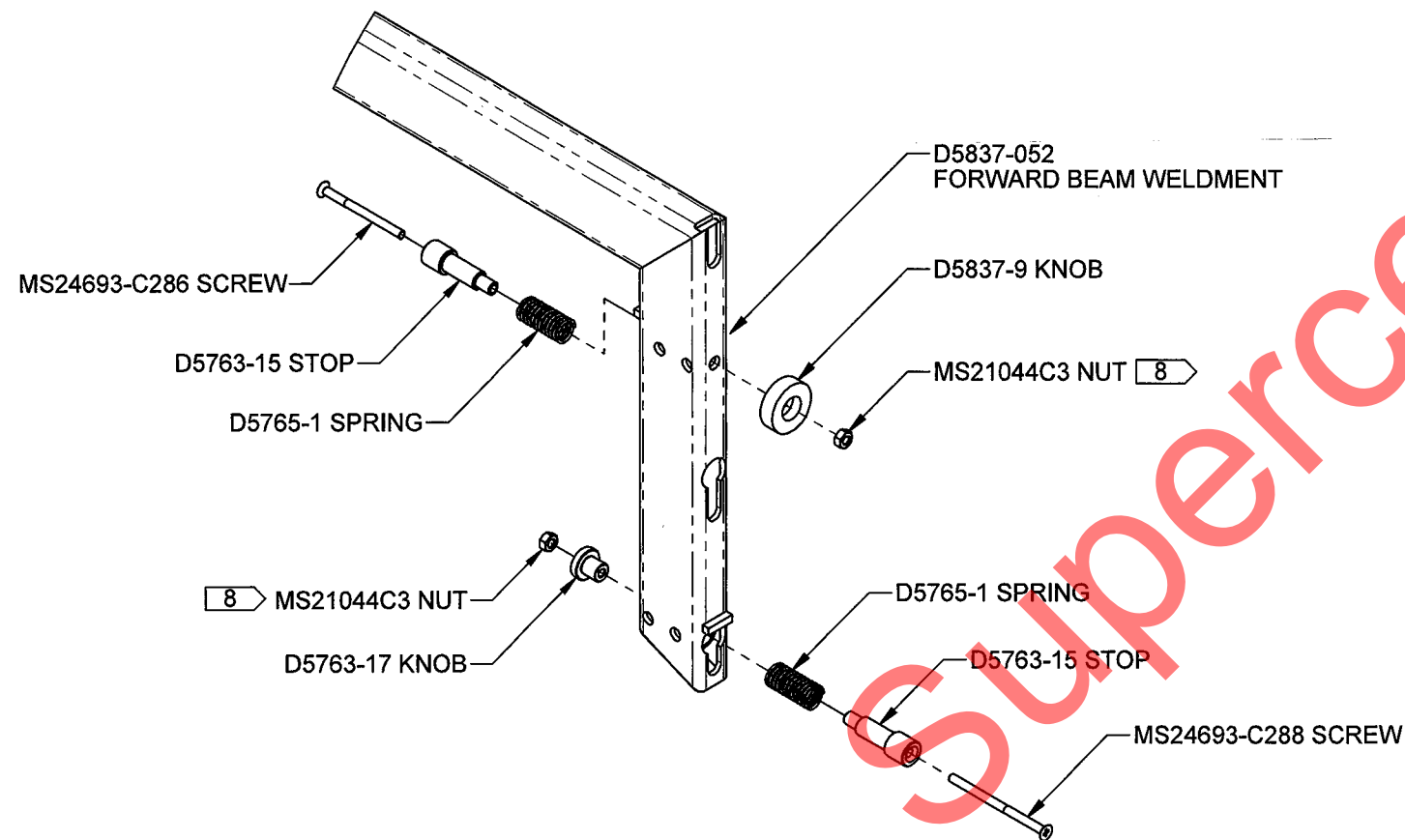


QTY -042	P/N	DESCRIPTION
X	D5837-042	FORWARD BEAM ASSEMBLY
1	D5837-052	FORWARD BEAM WELDMENT
1	D5837-9	KNOB
2	D5763-15	STOP
1	D5763-17	KNOB
2	D5765-1	SPRING
2	MS21044C3	NUT, SELF-LOCKING
1	MS24693-C286	SCREW, COUNTERSUNK
1	MS24693-C288	SCREW, COUNTERSUNK



DETAIL A
SCALE 1.25X

D5837-042 FORWARD BEAM ASSEMBLY
(DERIVED FROM AERO DESIGN P/N 69830-02)

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: PER DART QSI 044
 - 7) WEIGHT: 9.93 lbs
 - 8) TORQUE TO 12-15 IN-LBS

RELEASED

2020 OCT 20
H3 EN 20-77

APPROVED

A	NEW ISSUE	KPT	20.01.27
REV.	DESCRIPTION		BY DATE
DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	ZF	DRAWING NO.	REV. A
MFG. APPR.	DD	D5837	SHEET 1 OF 11
APPROVED	NO	TITLE	SCALE
DE APPR.	DS	FORWARD BEAM ASSEMBLY	NTS
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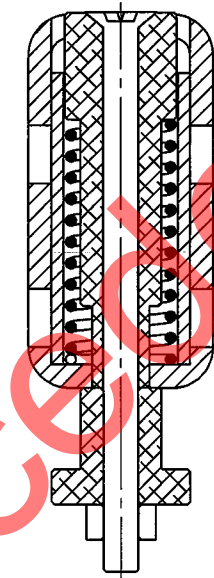
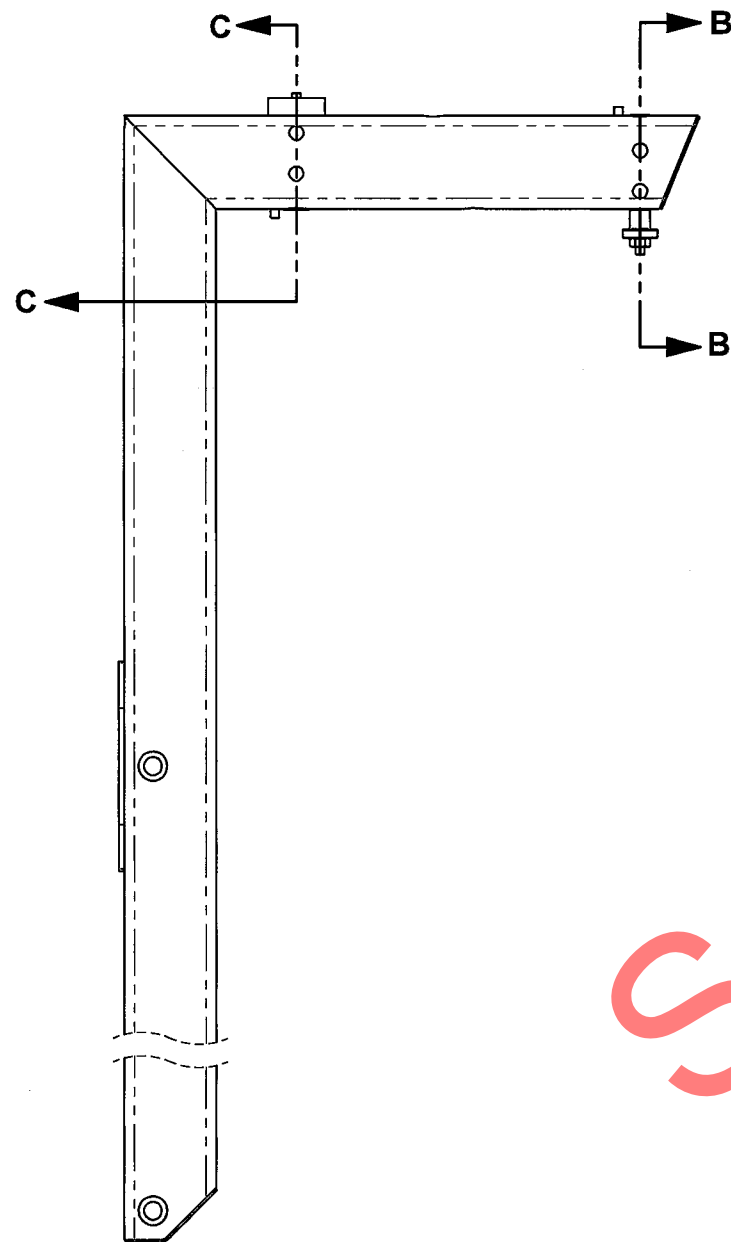
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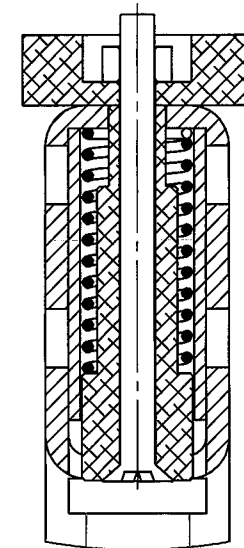
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SECTION B-B
SCALE 4X



SECTION C-C
SCALE 4X

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2020 OCT 20 *ef*

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DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	ZF	DRAWING NO.	REV. A
MFG. APPR.	DD	D5837	SHEET 2 OF 11
APPROVED	NO	TITLE	SCALE
DE APPR.	DS	FORWARD BEAM ASSEMBLY	NTS
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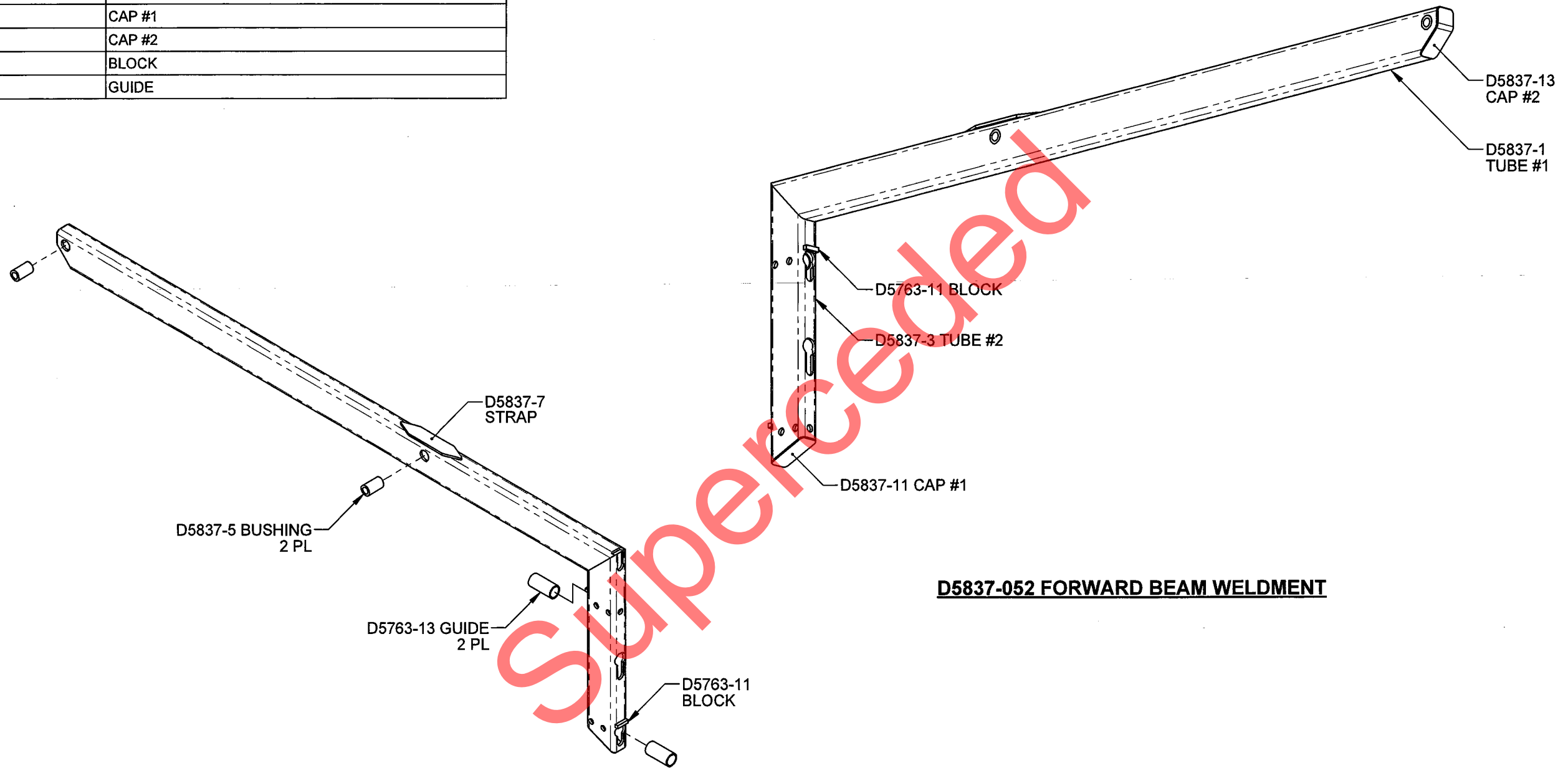
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QTY -052	P/N	DESCRIPTION
X	D5837-052	FORWARD BEAM WELDMENT
1	D5837-1	TUBE #1
1	D5837-3	TUBE #2
2	D5837-5	BUSHING
1	D5837-7	STRAP
1	D5837-11	CAP #1
1	D5837-13	CAP #2
2	D5763-11	BLOCK
2	D5763-13	GUIDE



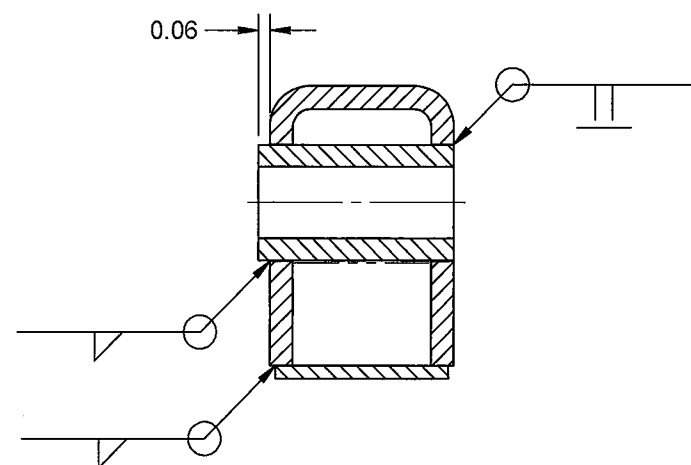
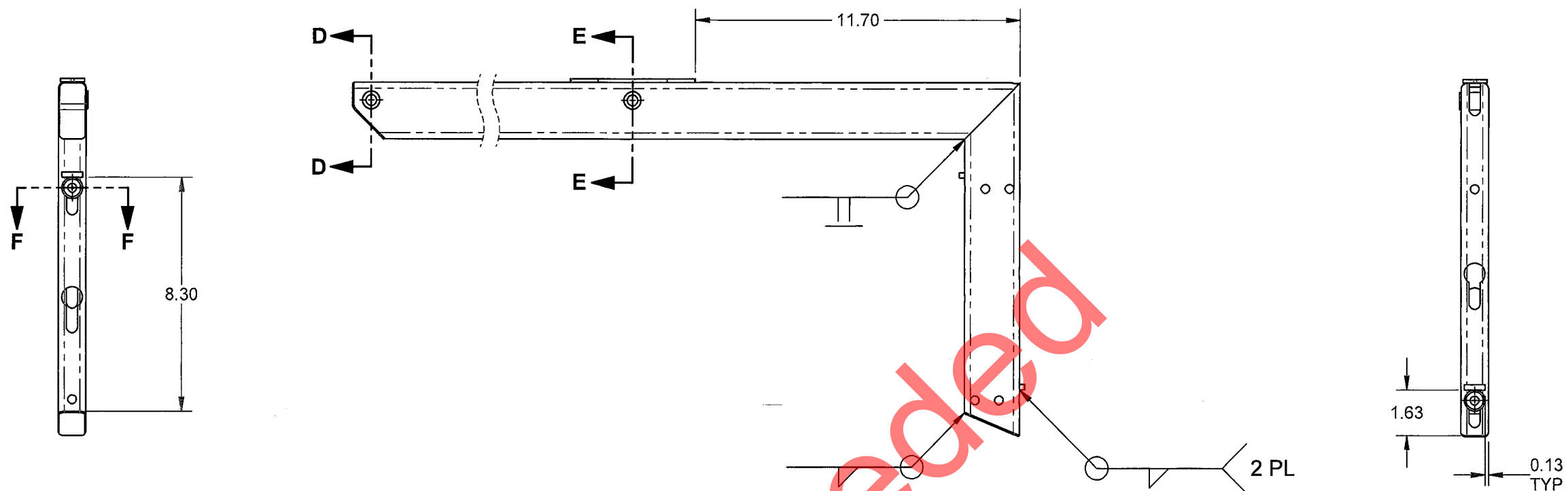
D5837-052 FORWARD BEAM WELDMENT

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: WHITE GLOSS POWDER COAT PER DART QSI 005 SECTION 4.3
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: PER DART QSI 044
 - 7) WEIGHT: 9.75 lbs
 - 8) WELD PER DART QSI 004. IT IS PERMISSIBLE TO BUFF OR GRIND TO CLEAN UP WELDS

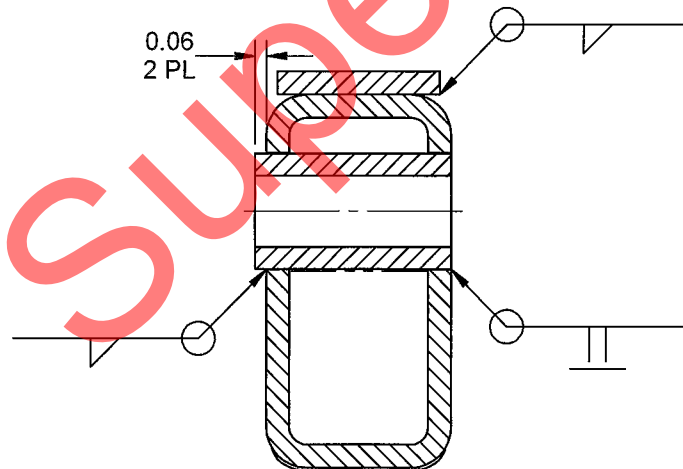
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2020 OCT 20

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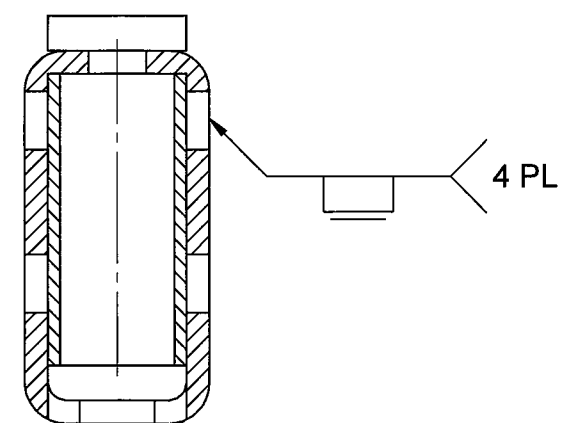
DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	ZF	DRAWING NO.	REV. A
MFG. APPR.	DD	D5837	SHEET 3 OF 11
APPROVED	NO	TITLE	SCALE
DE APPR.	DS	FORWARD BEAM ASSEMBLY	NTS
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SECTION D-D
SCALE 4.5X



SECTION E-E
SCALE 4.5X



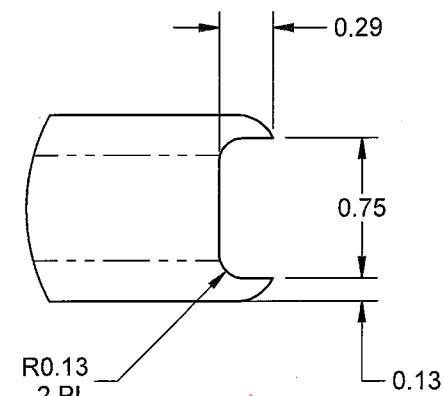
SECTION F-F
SCALE 4.5X
2 PL

D5837-052 FORWARD BEAM WELDMENT

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2020 OCT 20 *af*

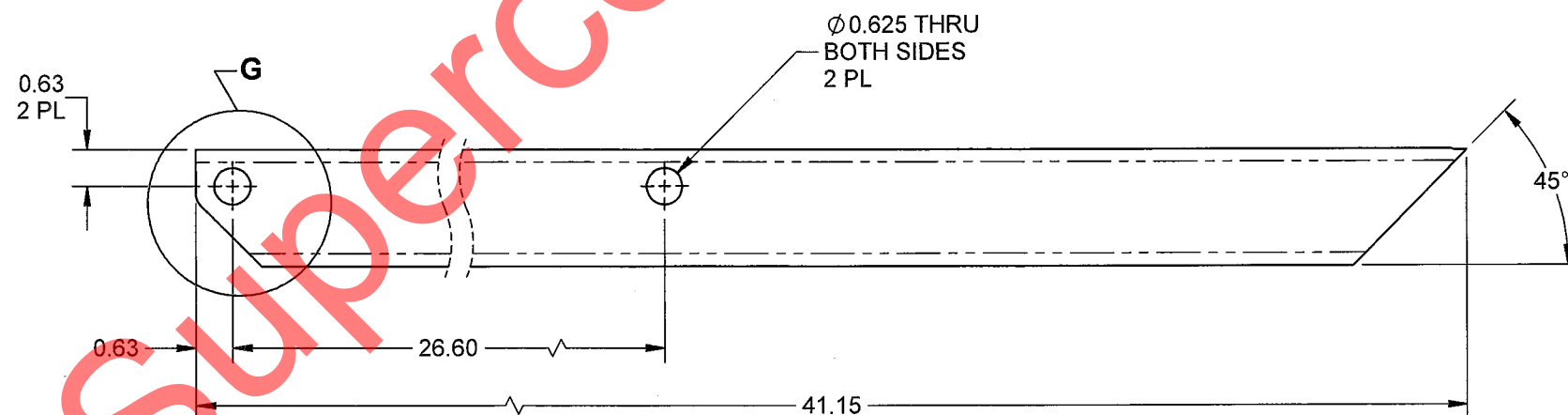
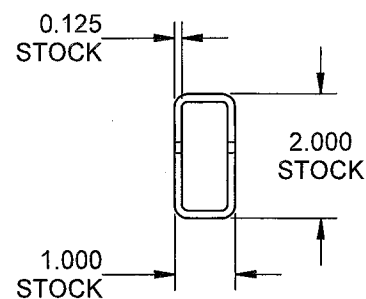
APPROVED

DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
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MFG. APPR.	DD	D5837	SHEET 4 OF 1
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DETAIL G
SCALE 2X

DETAIL H
SCALE 2X



D5837-1 TUBE #1
(DERIVED FROM AERO DESIGN P/N 69830-13)

NOTES:

1) MATERIAL: AISI 304/316 STAINLESS STEEL TUBING, 1.000 WIDTH X 2.000 HEIGHT X 0.125 WALL
PER ASTM A554 OR ASTM A269
REF DART SPEC M304TS2.000X1.000W.125

2) FINISH: NONE

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX

6) IDENTIFICATION: PER DART QSI 044

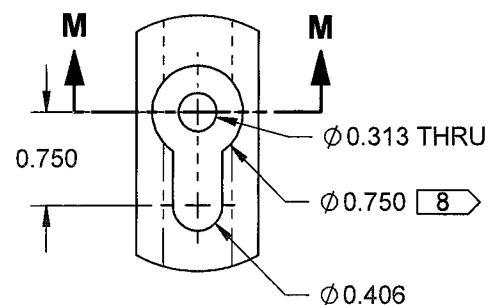
7) WEIGHT: 7.40 lbs

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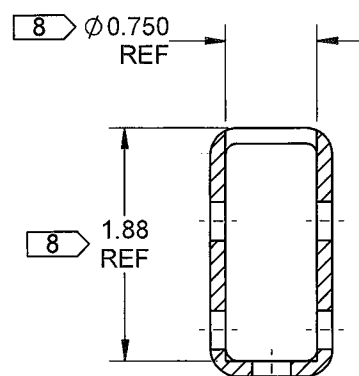
2020 OCT 20

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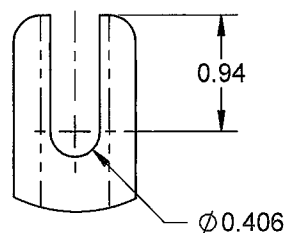
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DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	ZF	DRAWING NO.	REV. A
MFG. APPR.	DD	D5837	SHEET 5 OF 1
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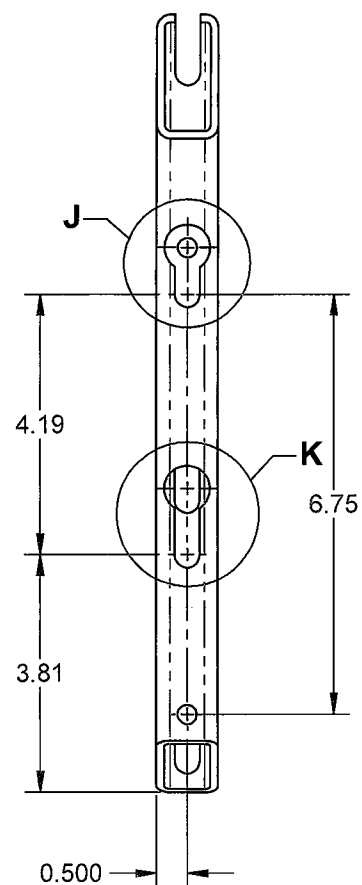
DETAIL J
SCALE 2X
2 PL



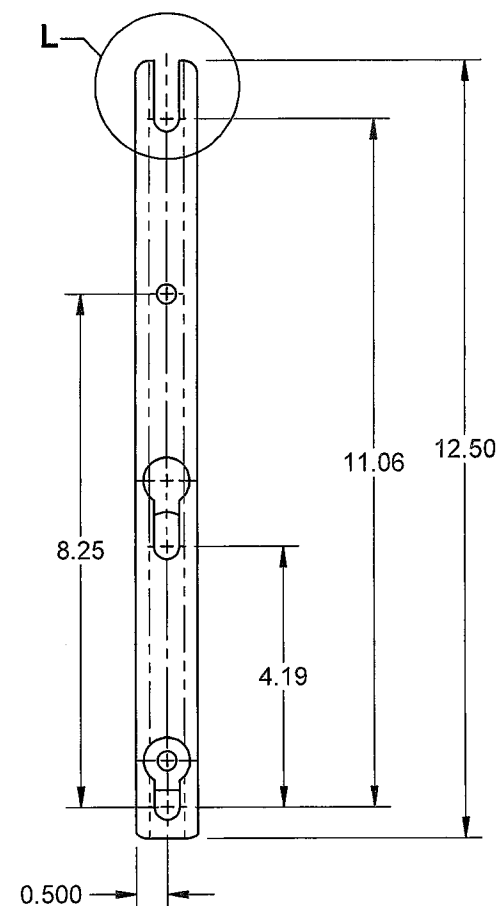
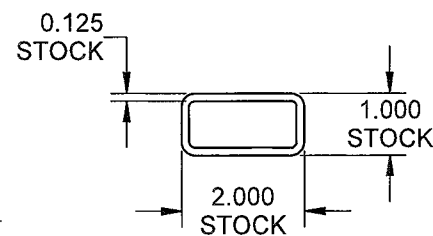
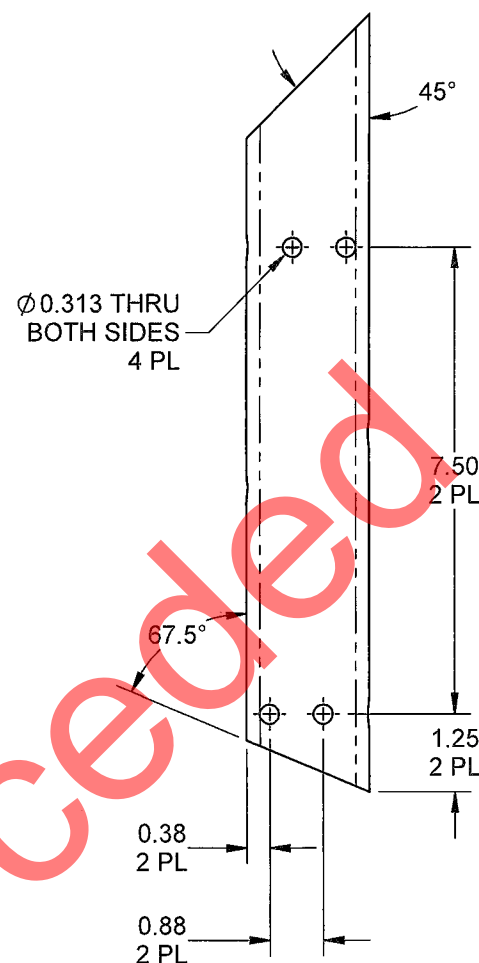
SECTION M-M



DETAIL L
SCALE 2X



DETAIL K
SCALE 2X
2 PL



D5837-3 TUBE #2
(DERIVED FROM AERO DESIGN P/N 69830-14)

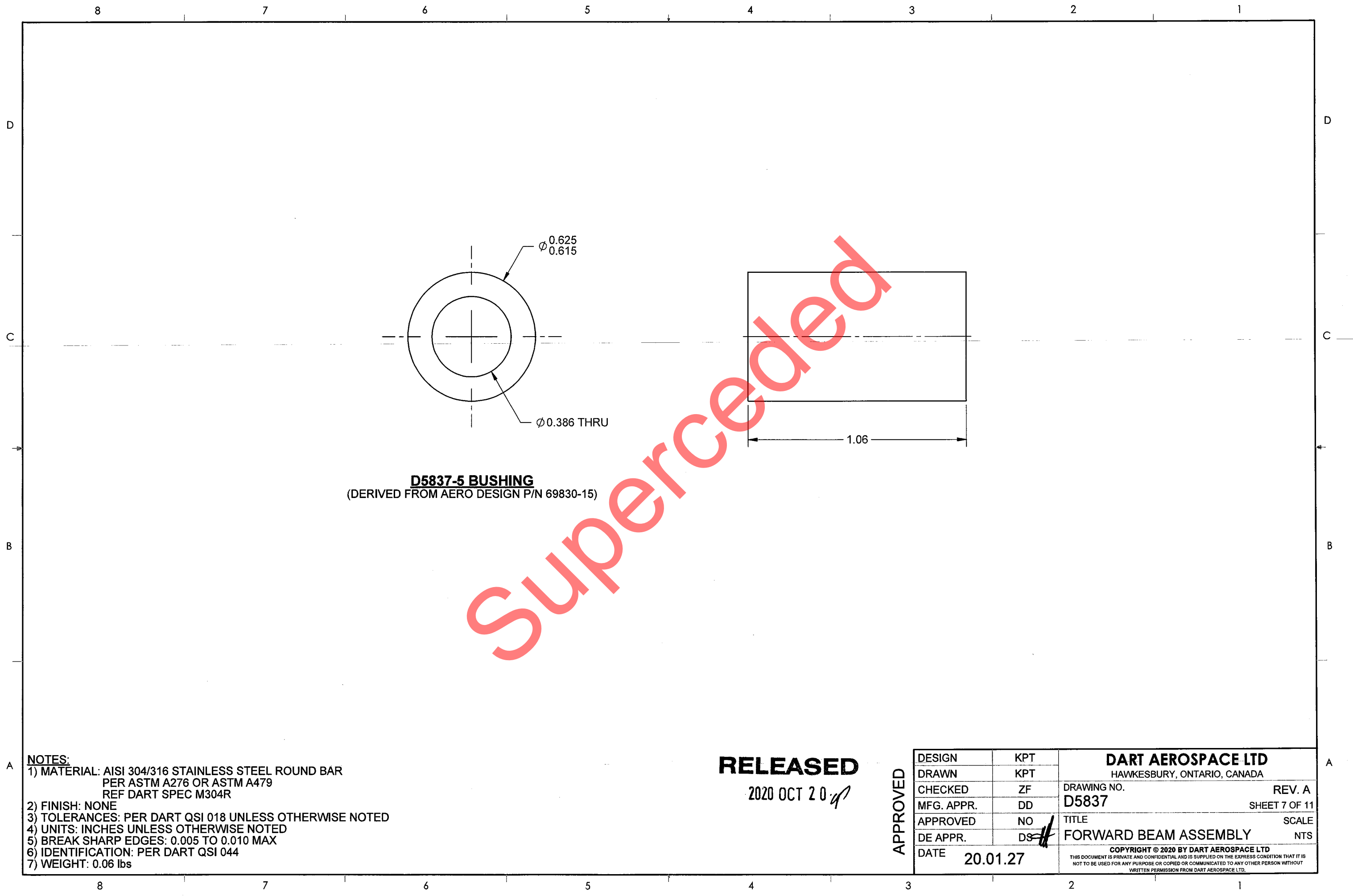
- NOTES:**
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL TUBING, 1.000 WIDTH X 2.000 HEIGHT X 0.125 WALL
PER ASTM A554 OR ASTM A269
REF DART SPEC M304TS2.000X1.000W.125
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: PER DART QSI 044
 - 7) WEIGHT: 1.93 lbs
 - 8) SPOTFACE 0.005-0.010 DEEP FROM INSIDE SURFACE OF TUBE

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2020 OCT 20

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DESIGN	KPT	DART AEROSPACE LTD	
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D5837-5 BUSHING
(DERIVED FROM AERO DESIGN P/N 69830-15)

- NOTES:**
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL ROUND BAR
PER ASTM A276 OR ASTM A479
REF DART SPEC M304R
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: PER DART QSI 044
 - 7) WEIGHT: 0.06 lbs

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2020 OCT 20

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DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
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MFG. APPR.	DD	SHEET 7 OF 11	
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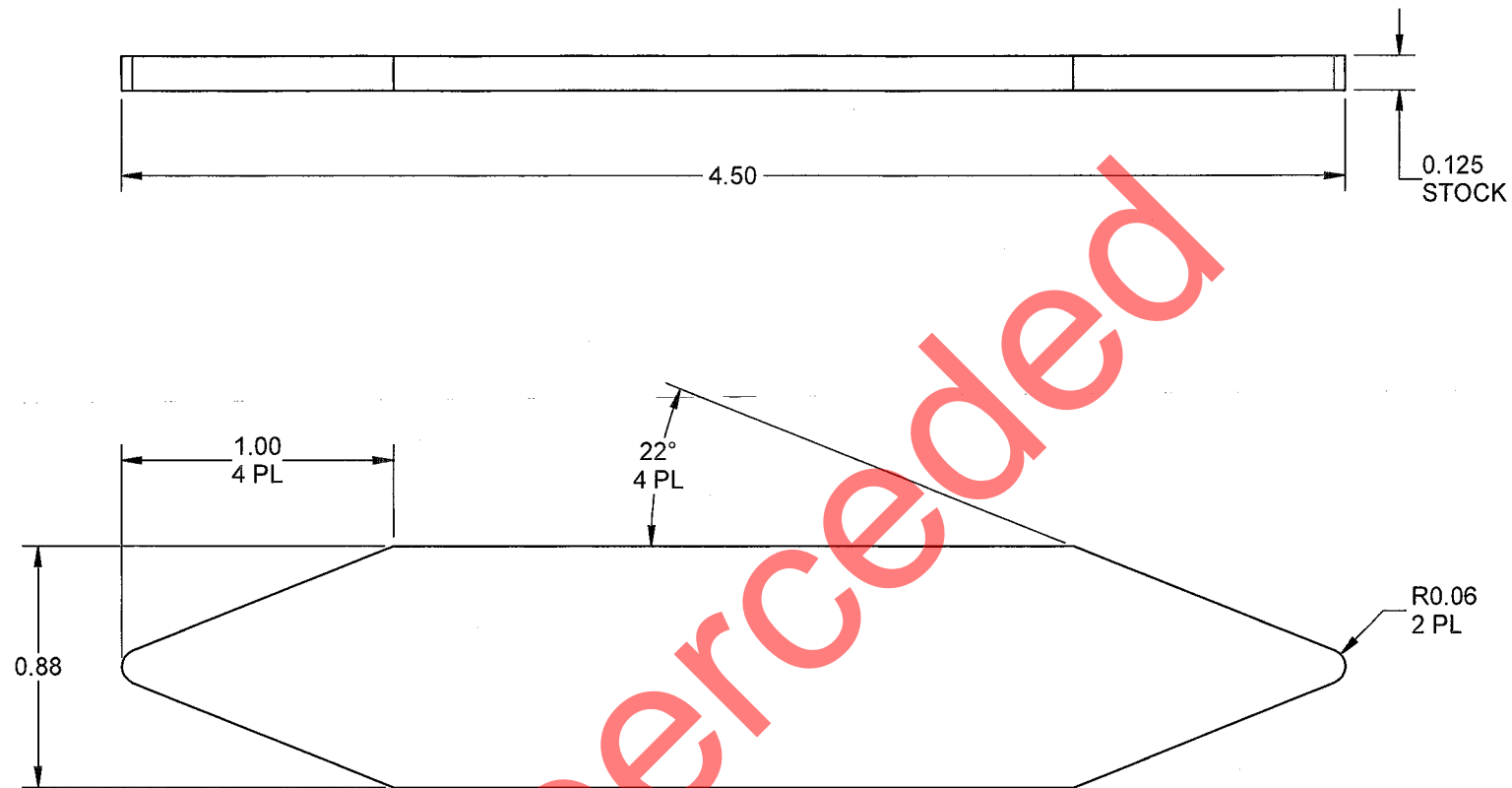
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**D5837-7 STRAP**

(DERIVED FROM AERO DESIGN P/N 69830-16)

NOTES:

1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET, 11 GAUGE (0.125 THICK)
PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316)
OR ASTM A240 OR ASME SA240
REF DART SPEC M304S11GA
OR
AISI 304/316 STAINLESS STEEL BAR
PER ASTM A276 OR ASTM A240
REF DART SPEC M304B

2) FINISH: NONE

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX

6) IDENTIFICATION: PER DART QSI 044

7) WEIGHT: lbs

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CHECKED	ZF	DRAWING NO.	REV. A
MFG. APPR.	DD	D5837	SHEET 8 OF 11
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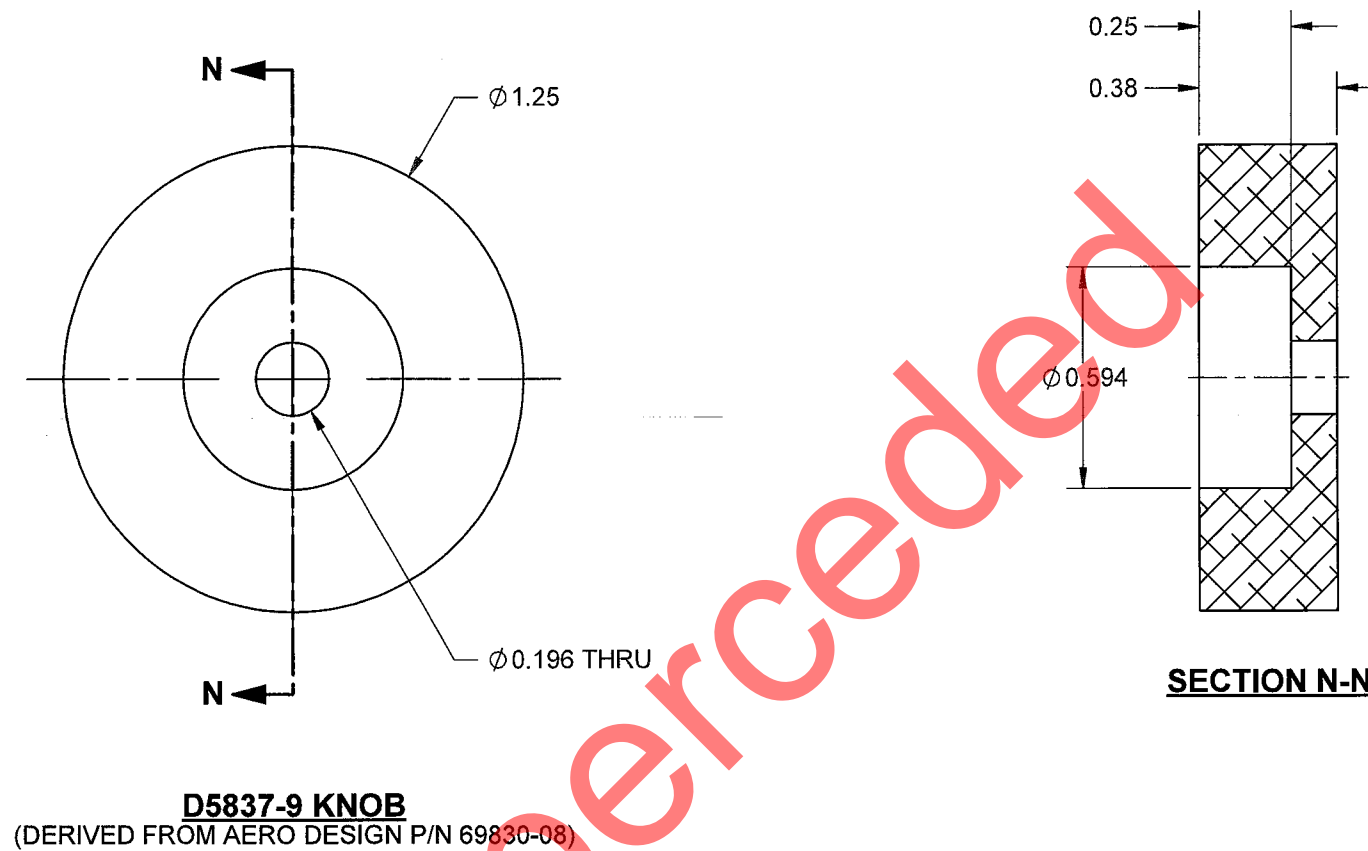
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NOTES:

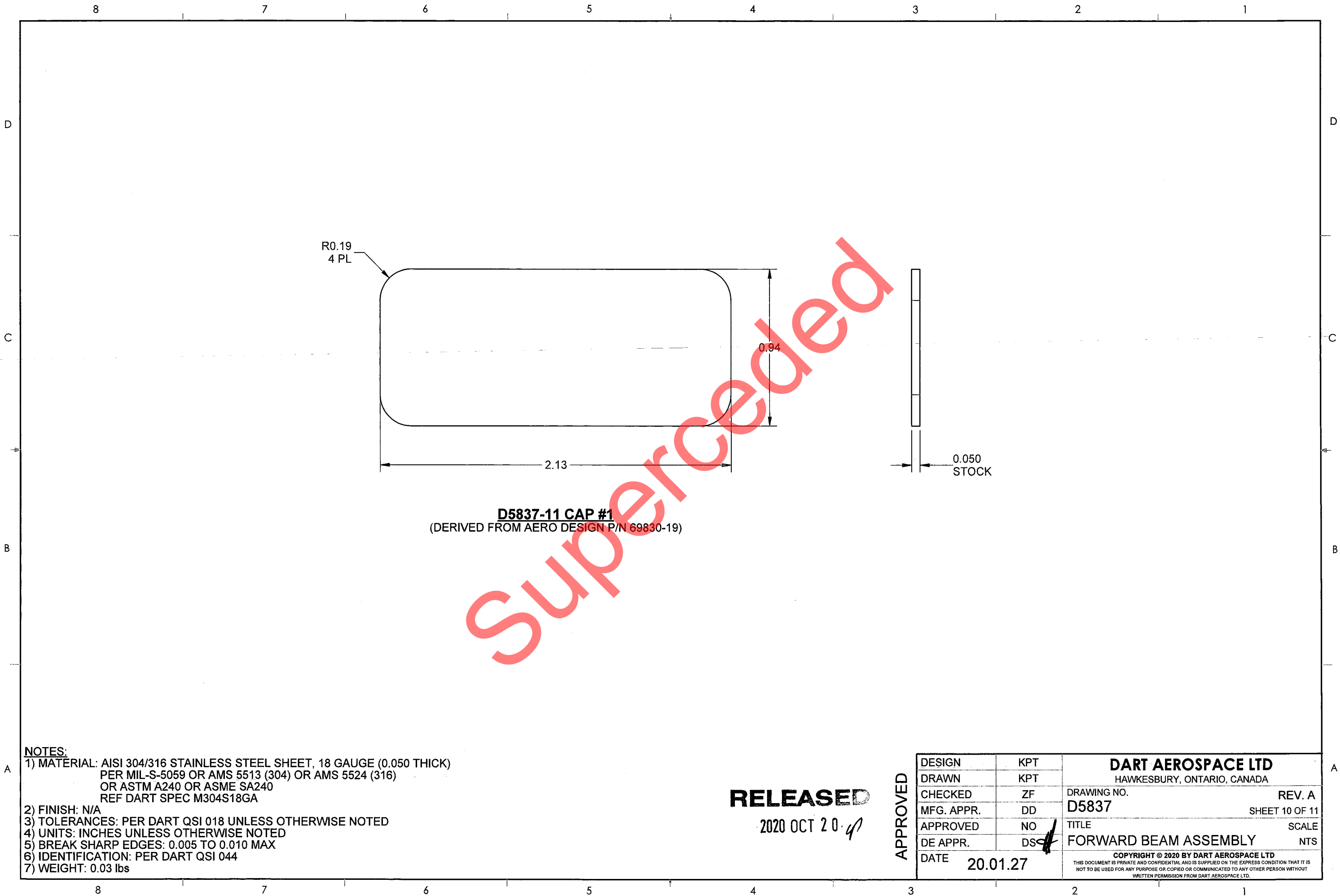
- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
PER QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221
REF DART SPEC M6061T6B
OR
6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR
PER QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221
REF DART SPEC M6061T6R
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 SECTION 4.1
WHITE GLOSS POWDER COAT PER DART QSI 005 SECTION 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044
- 7) WEIGHT: 0.04 lbs

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2020 OCT 20

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DESIGN	KPT	DART AEROSPACE LTD	
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D5837-11 CAP #1
(DERIVED FROM AERO DESIGN P/N 69830-19)

- NOTES:**
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET, 18 GAUGE (0.050 THICK)
PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316)
OR ASTM A240 OR ASME SA240
REF DART SPEC M304S18GA
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: PER DART QSI 044
 - 7) WEIGHT: 0.03 lbs

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2020 OCT 20

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DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	ZF	DRAWING NO. D5837	REV. A
MFG. APPR.	DD	SHEET 10 OF 11	
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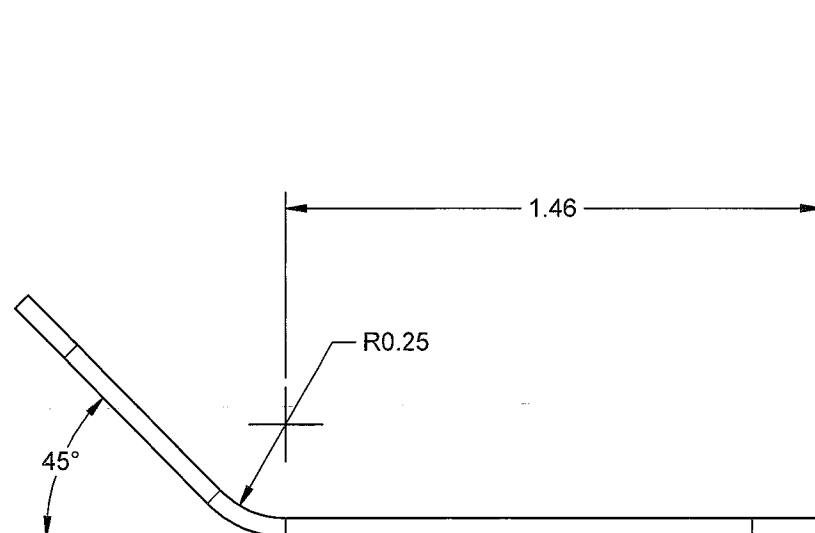
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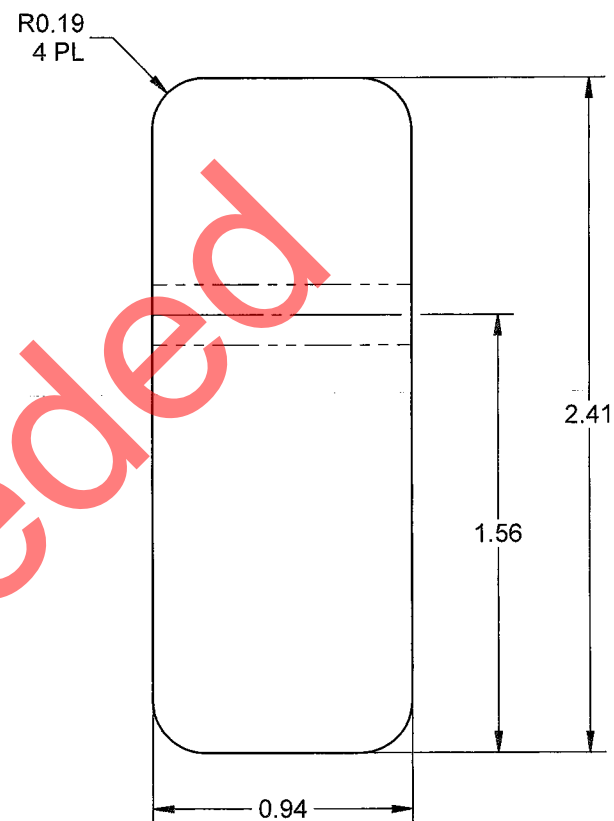
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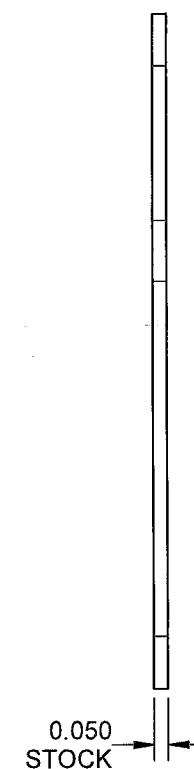
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D5837-13 CAP #2
(DERIVED FROM AERO DESIGN P/N 69830-20)
(MAKE FROM D5837-14F)



D5837-13F FLAT PATTERN



NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET, 18 GAUGE (0.050 THICK)
PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316)
OR ASTM A240 OR ASME SA240
REF DART SPEC M304S18GA
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044
- 7) WEIGHT: 0.03 lbs

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2020 OCT 20

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DRAWN	KPT		
CHECKED	ZF	DRAWING NO.	REV. A
MFG. APPR.	DD	D5837	SHEET 11 OF 11
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